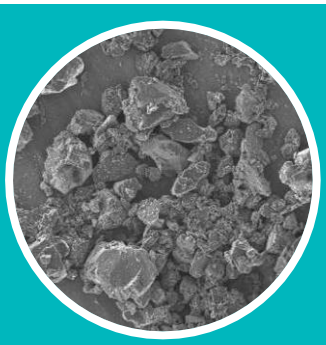
APYRAL®

Aluminum Hydroxide / $Al(OH)_3$

Technical data sheet

APYRAL® 414

Mineral flame retardant



APYRAL® 414

Product advantages

- broad particle size distribution
- Good packaging density
- Low viscosity
- Good Dipsersability

Typical Values of APYRAL® 414

Analysis	Unit	APYRAL® 414
$Al(OH)_3$	%	99.6
Water soluble Na_2O	%	0.03
Moisture (105 °C)	%	0.1
D_{10}	µm	5
D_{50}	µm	22
D_{90}	µm	48
Sieve residue (> 45 µm)	%	6
Spec. surface area (BET)	m^2/g	1.1
Oil absorption*	ml/100g	19
Spec. conductivity	µS/cm	125
Bulk density	kg/m^3	830
Whiteness**	%	83

*Oleic acid; **Tappi Brightness (457 nm)

APYRAL® 414

Applications

- Adhesives Industry
- Paints
- E&E industry

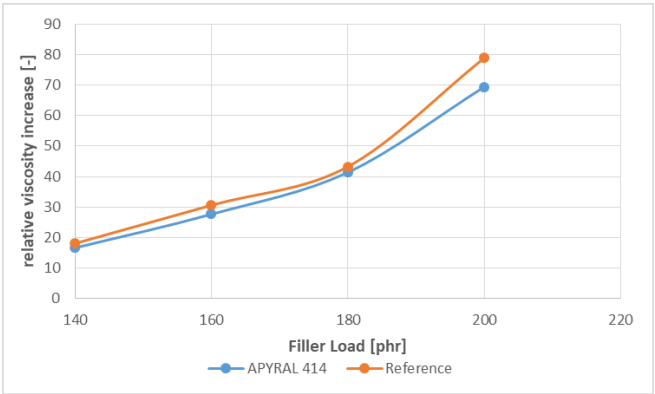
Application Examples

Cable conduits

Components for electric industry

Product Information

Viscosity in UP-Resin Palapreg P17-02 (AOC-Aliancys)



Material constants Aluminum Hydroxide	APYRAL®
Chemical	Aluminum hydroxide
Chemical formula	$Al(OH)_3$
Crystal structure	Gibbsite
Mohs hardness	3
Specific gravity [g/cm³]	2.42
Refractive index	1.58

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